



17W  
Docket No. JBP0430CIP1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Miri Seiberg et al.

Serial No. : 10/659,598

Art Unit: 1654

Filed : September 10, 2003 Examiner:

For : Methods for Treating Skin Conditions

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

July 8, 2004  
(Date of Deposit)

Andrea L. Colby  
(Name of applicant, assignee, or Registered Representative)

Andrea L. Colby  
(Signature)

July 8, 2004  
(Date of Signature)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This copy is supplemental to the Information Disclosure Statement mailed on February 2, 2004.

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

Applicant(s) reserve(s) the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this

information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required.

☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or an action that otherwise closes prosecution and that it is accompanied by one of:

- ☐ Statement in Accordance with §1.97(e) (attached); or
- ☐ Please charge Deposit Account No. 10-0750/ / the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee.

Applicant(s) hereby petition(s) for consideration of this Information Disclosure Statement. Included are: Statement in Accordance with §1.97(e) as set forth below and the fee of \$180.00 as set forth in §1.17(p).

☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☒ Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted.

- ☒ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application SN.: 09/110,409, filed on July 6, 1998.
- ☐ This application also relies, under 35 § U.S.C. 120, on the earlier filing date of prior application SN.: , filed on .
- ☒ The following references were submitted to, and/or cited by, the Office in the prior application(s) and, therefore, are not required to be provided in this application: All.
- ☒ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

☐ Copies of only foreign patent documents and non-patent literature are enclosed in accordance with 37 CFR 1.98 (a)(2). (The U.S. patents and each U.S. patent application publication listed on the attached Form PTO-1449 are not enclosed because this U.S. patent application was filed after June 30, 2003 or this international application has entered the national stage under 35 USC §371 after June 30, 2003 (see USPTO waiver of requirement under 37 CFR 1.98 (a)(2)(i)).

☐ There are no listed references which are not in the English language.

☒ The relevance of those listed references which are not in the English language is as follows:

English language abstract and claims are provided for EP 0643083 A1 from its B1 document, copy of which is also provided.

English language abstracts are provided for CN 1094279, FR 2596986, FR 2641696, FR 2685202, JP 6145061, JP 6192085, JP 7010772, JP 7196527, JP 7196529, JP 8040824, JP 8059450, JP 8143442, JP 8333260, JP 9059166, JP 9077638, JP 9176033, JP 58225004, JP 59187756, JP 2000302678, KR 92-8853, and WO 97/11033.

English language translations are provided for EP 0421021, FR 2803747, FR 2811226, JP 1096106, JP 3127713, JP 4169514, JP 5015574, JP 5213729, JP 5246932, JP 5320024, JP 5320061, JP 7304655, JP 8012560, JP 8020597, JP 8099891, JP 9025212, JP 9025214, JP 11346695, JP 58225003, JP 62036304, JP 63068512, JP 63096120, JP 63227515, JP 63316711, KR 92-8851, RU 2066992, WO 96/40121, WO 99/09065, WO 00/15188, WO 02/07697, and HAMADA J. Soc. Cosmet. Chem. Japan 31(4):413-419 1997.

English language equivalents are provided as follows:

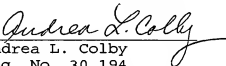
EP 0643960 - US 5,741,496  
EP 0655470 - US 5,712,356 & 5,936,052  
EP 0661037 - US 5,629,015  
EP 0814116 - US 5,871,823  
JP 5114905 - EP 0508886  
WO 87/07838 - US 4,978,528  
WO 98/33089 - US 6,018,001  
WO 02/07697 - US 2004/009142

☐ Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609 D.

☒ Attached are copies of patent applications/patents which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.

Please charge any deficiency or credit any overpayment to Deposit Account No. 10-0750/JBP430CIP/ALC. This form is submitted in triplicate.

Respectfully submitted,

  
Andrea L. Colby  
Reg. No. 30,194  
Attorney for Applicants

Johnson & Johnson  
One Johnson & Johnson Plaza  
New Brunswick, NJ 08933-7003  
(732) 524-2792

DATED: *July 8, 2004*



PTO/GB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
A collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.  
Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 23

Application Number 10/659,598  
Filing Date 09/10/2003  
First Named Inventor Miri Seiberg  
Group Art Unit 1654  
Examiner Name  
Attorney Docket Number JBP0430CIP1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		3,097,947	A	Kemmerer	07-16-1963	
		3,625,976	A	Theimer	12-07-1971	
		3,755,560	A	Dickert	08-28-1973	
		4,007,266	A	Choay	02-08-1977	
		4,056,637	A	Hagihara et al	11-01-1977	
		4,151,304	A	Evans	04-24-1979	
		4,190,671	A	Vanstone	02-26-1980	
		4,219,569	A	Glenn	08-26-1980	
		4,223,018	A	Cella	09-16-1980	
		4,254,105	A	Fukuda	03-03-1981	
		4,272,544	A	Cella	06-09-1981	
		4,278,570	A	Flom	07-14-1981	
		4,279,930	A	Hall	09-14-1979	
		4,297,348	A	Frazier	10-27-1981	
		4,331,692	A	Drevici	05-25-1982	
		4,333,927	A	Ofuchi	06-08-1982	
		4,368,187	A	Flom	01-11-1983	
		4,370,315	A	Greff	01-25-1983	
		4,382,960	A	Flom	05-10-1983	
		4,386,067	A	Guillon	05-31-1983	
		4,421,769	A	Dixon	12-20-1983	
		4,427,670	A	Ofuchi	01-24-1984	
		4,434,095	A	Chipens et al.	02-28-1984	
		4,437,895	A	Koulbanis	03-20-1984	
		4,439,418	A	Moller	03-27-1984	
		4,462,981	A	Smith	07-21-1984	
/SG/		4,477,434	A	Kosaka	10-16-1984	

Examiner Signature	/Shirley Gembah/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		4,486,448	A	Ser	12-04-1984	
		4,488,564	A	Grollier	12-18-1984	
		4,515,778	A	Kastell	05-07-1985	
		4,524,067	A	Arichi	06-18-1985	
		4,537,782	A	Millet	08-27-1985	
		4,550,035	A	Smith	10-29-1985	
		4,578,267	A	Salamone	03-25-1986	
		4,584,190	A	Tejima	04-22-1986	
		4,604,281	A	Deckner	08-05-1986	
		4,612,192	A	Scheuffgen	09-19-1986	
		4,690,821	A	Smith	09-01-1987	
		4,707,293	A	Ferro	12-17-1987	
		4,760,096	A	Sakai	07-26-1988	
		4,793,991	A	Slimak	12-27-1988	
		4,824,957	A	Hofmann	04-25-1989	
		4,834,076	A	Millet	05-30-1989	
		4,847,267	A	Deckner	07-11-1989	
		4,851,214	A	Walters	07-25-1989	
		4,859,458	A	Salamone	08-22-1989	
		4,867,964	A	Forestier	09-19-1989	
		4,871,530	A	Grollier	10-03-1989	
		4,885,169	A	Gazzani	12-05-1989	
		4,895,839	A	Bombardelli	01-23-1990	
		4,906,457	A	Ryan	03-06-1990	
		4,943,462	A	Komerska	07-24-1990	
		4,960,588	A	Hoshowski	10-02-1990	
/SG/		4,960,764	A	Figueroa	10-02-1990	

Examiner Signature	/Shirley Gembah/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Mini Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		4,970,216	A	Deckner	11-13-1990	
		4,971,825	A	Kitazume et al.	11-20-1990	
		4,978,528	A	Degre	12-18-1990	
		5,002,761	A	Mueller	03-26-1991	
		5,032,382	A	Crollie	07-16-1991	
		5,032,400	A	Wiersum	07-16-1991	
		5,043,323	A	Bombardelli	08-27-1991	
		5,057,417	A	Hammonds et al.	10-15-1991	
		5,077,038	A	Hofmann	12-31-1991	
		5,077,040	A	Bergmann	12-31-1991	
		5,104,655	A	Bombardelli	04-14-1992	
		5,110,603	A	Rau	05-05-1992	
		5,116,605	A	Alt	05-05-1992	
		5,118,671	A	Bombardelli	06-02-1992	
		5,130,142	A	Wong et al.	07-14-1992	
		5,147,859	A	Bombardelli	09-15-1992	
		5,166,139	A	Bombardelli	11-20-1992	
		5,171,577	A	Griat	12-15-1992	
		5,179,091	A	Lesieur	01-12-1993	
		5,188,823	A	Shapiro	07-20-1993	
		5,192,332	A	Lang	03-09-1993	
		5,194,252	A	Hofmann	03-16-1993	
		5,217,717	A	Kennedy	06-08-1993	
		5,229,104	A	Sottery	07-20-1993	
		5,231,090	A	Hsia	07-27-1993	
		5,248,495	A	Patterson	09-28-1993	
/SG/		5,254,331	A	Mausner	10-19-1993	

Examiner Signature	/Shirley Gembeh	Date Considered	8/19/11
-----------------------	-----------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 4 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		5,260,065	A	Mathur	11-09-1993	
		5,270,042	A	Whitham	12-14-1993	
		5,276,058	A	Satoh	01-04-1994	
		5,306,444	A	Kitamura	04-26-1994	
		5,310,734	A	Losch	05-10-1994	
		5,322,839	A	Voegeli	06-21-1994	
		5,352,443	A	Kubo	10-04-1994	
		5,362,494	A	Zysman	11-08-1994	
		5,364,886	A	Loliger	11-15-1994	
		5,393,519	A	Dowell	08-29-1995	
		5,397,497	A	Jakobson	03-14-1995	
		5,407,675	A	Etemad-Moghadam	04-18-1995	
		5,411,742	A	Sebag	08-08-1995	
		5,427,814	A	Loliger	06-27-1995	
		5,428,026	A	Colarow	09-27-1995	
		5,438,044	A	Losch	08-01-1995	
		5,439,672	A	Zabotto	08-08-1995	
		5,443,839	A	Meybeck	08-22-1995	
		5,443,840	A	Morancais	08-22-1995	
		5,446,605	A	Umehara	08-29-1995	
		5,466,452	A	Whittle	11-14-1995	
		5,498,420	A	Mentrup Edgar	03-12-1996	
		5,503,832	A	De Stoutz	04-02-1996	
		5,510,391	A	Elson	04-23-1996	
		5,523,308	A	Costanzo	06-04-1996	
/SG/		5,539,129	A	Zysman	07-23-1996	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. <sup>16</sup> If possible, <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 5 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Mini Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		5,545,399	A	Lee	09-10-1996	
		5,547,661	A	Sun	08-20-1996	
		5,554,647	A	Perricone	09-10-1996	
		5,565,495	A	Piazza et al.	10-15-1996	
		5,565,493	a	Nakata et al.	10-15-1996	
		5,567,420	A	McEleney	10-22-1996	
		5,569,663	A	Ribier	00-20-1996	
		5,571,503	A	Mausner	11-05-1996	
		5,578,297	A	Mellul	11-26-1996	
		5,589,181	A	Bencsits	12-31-1996	
		5,595,984	A	Blank	01-21-1997	
		5,597,814	A	Blank	01-28-1997	
		5,601,833	A	Roboer	02-10-1997	
		5,603,949	A	Meybeck	02-18-1997	
		5,605,894	A	Blank	02-25-1997	
		5,607,666	A	Masson	03-04-1997	
		5,609,692	A	Ribier	03-04-1997	
		5,614,180	A	Chung	03-25-1997	
		5,614,215	A	Ribier	03-25-1997	
		5,616,572	A	Blank	04-01-1997	
		5,618,522	A	Kaletka	04-08-1997	
		5,620,692	A	Potter	04-08-1997	
		5,622,690	A	Potter	04-22-1997	
		5,626,868	A	Morancals	05-06-1997	
		5,629,015	A	Ribier	05-13-1997	
		5,629,301	A	Blank	05-13-1997	
/SG/		5,631,318	A	Ito	05-20-1997	

Examiner  
Signature

/Shirley Gembeh/

Date  
Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 6 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		5,635,165	A	Panitch	06-03-1997	
		5,637,316	A	Ribier	06-03-1997	
		5,639,785	A	Kung	06-17-1997	
		5,641,509	A	Gross	06-24-1997	
		5,643,583	A	Vouloury	07-01-1997	
		5,643,587	A	Scancarella	07-01-1997	
		5,643,507	A	Gross	07-01-1997	
		5,652,955	A	Ribier	07-22-1997	
		5,652,230	A	Blank	07-29-1997	
		5,653,988	A	Gerber	08-05-1997	
		5,660,853	A	Hansenne-Richoux	08-26-1997	
		5,665,367	A	Burger	08-03-1997	
		5,674,511	A	Kacher	10-28-1997	
		5,676,935	A	Mellul	10-14-1997	
		5,676,956	A	Duffy	11-04-1997	
		5,679,374	A	Fanchon	10-28-1997	
		5,681,571	A	Hongren et al.	10-28-1997	
		5,681,852	A	Bissett	10-28-1997	
		5,683,998	A	Scafidi	11-04-1997	
		5,686,102	A	Gross	11-04-1997	
		5,688,763	A	Hammonds, Jr. et al.	11-18-1997	
		5,691,327	A	Blank	11-25-1997	
		5,712,356	A	Bothe et al.	01-27-1998	
		5,723,148	A	Love	03-03-1998	
		5,741,496	A	Khaiaf	04-21-1998	
		5,753,612	A	Mitrani	05-19-1998	
/SG/		5,755,814	A	Berg	05-26-1998	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 7 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		5,762,916	A	Ansmann	06-16-1998	
		5,766,628	A	Numberg	06-16-1998	
		5,776,917	A	Blank	07-07-1998	
		5,780,455	A	Blank	07-07-1998	
		5,780,456	A	Blank	06-14-1998	
		5,780,456	A	Blank	07-14-1998	
		5,780,459	A	Blank	07-14-1998	
		5,786,345	A	Blank	07-28-1998	
		5,786,346	A	Blank	01-26-1999	
		5,789,396	A	Blank	09-08-1998	
		5,795,879	A	Blank	06-18-1998	
		5,801,163	A	Blank	09-08-1998	
		5,804,216	A	Terren	09-08-1998	
		5,807,545	A	Coffindaffer	09-15-1998	
		5,824,702	A	Wei	10-20-1998	
		5,833,965	A	Sun	11-10-1998	
		5,834,013	A	Ribier	11-10-1998	
		5,840,717	A	Blank	10-20-1998	
		5,843,926	A	Blank	12-01-1998	
		5,863,546	A	Swinehart	01-26-1999	
		5,869,470	A	Blank	02-09-1999	
		5,871,743	A	Chajuss	02-16-1999	
		5,871,823	A	Anders et al.	02-16-1999	
		5,880,314	A	Shinomiyi	03-09-1999	
		5,885,593	A	Epstein	03-23-1999	
		5,885,596	A	Parab	03-23-1999	
/SG/		5,885,600	A	Blum	03-23-1999	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 8 of 23

<b>Application Number</b>	10/659,598
<b>Filing Date</b>	09/10/2003
<b>First Named Inventor</b>	Miri Seiberg
<b>Group Art Unit</b>	1654
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	JB0430CIP1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		5,885,617	A	Jordan	03-23-1999	
		5,885,948	A	Glenn	03-23-1999	
		5,908,618	A	Lorant	06-01-1999	
		5,912,175	A	Wille, Jr.	06-15-1999	
		5,916,577	A	Golz	06-29-1999	
		5,928,654	A	Durant	07-27-1999	
		5,928,658	A	Kishida	07-27-1999	
		5,928,889	A	Bakich	08-24-1999	
		5,936,052	A	Bothe et al.	08-10-1999	
		5,942,479	A	Frankenback	08-24-1999	
		5,945,095	A	Mougin	08-31-1999	
		5,945,109	A	Schmidt	08-31-1999	
		5,952,373	A	Lanzendorfer	09-14-1999	
		5,958,387	A	Bara	09-26-1999	
		5,961,980	A	Kennedy	10-05-1999	
		5,962,015	A	Delrieu	10-05-1999	
		5,962,441	A	Blank	10-05-1999	
		5,965,153	A	Allen	10-12-1999	
		5,972,355	A	Knight et al.	10-26-1999	
		5,981,450	A	Fabry	11-23-1999	
		5,985,889	A	Suh	11-16-1999	
		5,985,809	A	Frankenback	11-16-1999	
		5,990,291	A	Waggle	11-23-1999	
		6,004,915	A	Elliott	12-21-1999	
		6,013,250	A	Cannell	01-11-2000	
		6,013,255	A	Edens	01-11-2000	
/SG/		6,017,549	A	Knight et al.	01-25-2000	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 9 of 23

Application Number 10/659,598  
Filing Date 09/10/2003  
First Named Inventor Miri Seiberg  
Group Art Unit 1654  
Examiner Name  
Attorney Docket Number JBP0430CIP1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
/SG/		6,017,893	A	Segelman	01-25-2000	
		6,018,001	A	Hiratani et al.	01-25-2000	
		6,019,962	A	Rabe	02-01-2000	
		6,030,931	A	Vinski	02-29-2000	
		6,033,680	A	Dixon	03-07-2000	
		6,045,779	A	Mueller	08-01-2000	
		6,048,520	A	Hoshowski	04-11-2000	
		6,051,602	A	Bissett	04-18-2000	
		6,054,137	A	Breton	01-25-2000	
		6,060,070	A	Gorbach	05-09-2000	
		6,060,393	A	Gueret	05-16-2000	
		6,080,393	A	Liu et al.	06-27-2000	
		6,093,411	A	Bissett	07-25-2000	
		6,096,327	A	Lezdey et al.	08-01-2000	
		6,126,933	A	Warne et al.	10-03-2000	
		6,180,662	B1	Lanzendorfer	01-30-2001	
		6,183,761	B1	Bissett	02-06-2001	
		6,183,762	B1	Deckers et al.	02-06-2001	
		6,261,603	B1	McElwain	07-17-2001	
		6,323,219	B1	Costanzo	11-27-2001	
		6,433,025	B1	Lorenz	08-13-2002	
		6,558,656	B2	Mann	05-06-2003	
/SG/		2004/0009142	A1	Zambaux et al.	01-15-2004	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 10 of 23

<b>Application Number</b>	10/659,598
<b>Filing Date</b>	09/10/2003
<b>First Named Inventor</b>	Miri Seiberg
<b>Group Art Unit</b>	1654
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	JBP0430CIP1

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>			
/SG/		AU	724988	B2	Genentech, Inc.	05-29-1998	=WO 98/19700
		CN	1094279	A	Wang	11-02-1994	English Abstract
		EP	0 273 202	A2	Van Scott et al.	07-06-1988	
		EP	0 393 532	A2	Schering Corporation	10-24-1990	
		EP	0 421 021	A1	Mucos Emulsionsgesellschaft	04-10-1991	Yes
		EP	0 473 502	A1	Shiseido Co. Ltd.	03-04-1992	
		EP	0 508 886	A1	Digital Equipment Corporation	10-14-1992	=JP 5114905
		EP	0 574 352	A1	Ciba-Geigy AG	12-15-1998	
		EP	0 643 083	A1	Essilor International	03-15-1995	English Abstract & d Claims from B1 Doc
		EP	0 643 960	A1	Laboratoire de Biologie Vegetale Yves Rocher	03-22-1995	=US 5,741,496
		EP	0 655 470	A1	Ciba-Geigy AG	05-31-1995	=US 5,712,356 & 5,936,052
		EP	0 661 037	A1	L'Oreal	07-05-1995	=US 5,629,015
		EP	0 707 851	A2	Fockerman et al.	04-24-1996	
		EP	0 713 106	A1	Menicon Co., Ltd.	05-22-1996	
		EP	0 758 687	A1	Ciba-Geigy AG	02-19-1997	
		EP	0 774 249	A2	Unilever PLC	05-21-1997	
		EP	0 811 595	A1	Mitsui Toatsu Chemicals, Inc.	12-10-1997	
		EP	0 814 116	A1	Huls AG	12-29-1997	=US 5,871,823
		EP	0 963 761	A1	J&J Vision Products	12-15-1999	VTN0410
		EP	1 074 240	A2	J&J Consumer Products Inc.	02-07-2001	JBP510
		EP	1 077 063	A2	J&J Consumer Products Inc.	02-21-2001	JBP0402
		EP	1 192 938	A2	J&J Consumer Products Inc.	04-03-2002	JBP0523
		EP	1 236 402	A2	J&J Consumer Products Inc.	09-04-2002	J&J2001
		EP	1 236 465	A2	J&J Consumer Products Inc.	09-04-2002	J&J2002
		FR	2 596 986	A1	Sederma SA (FR)	10-16-1987	English Abstract
		FR	2 641 696	A1	Sederma SA (FR)	07-20-1990	English Abstract
/SG/		FR	2 685 202	A1	Sederma SA (FR)	06-25-1993	English Abstract

Examiner Signature	/Shirley Gembah/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 11 of 23

Application Number 10/659,598  
Filing Date 09/10/2003  
First Named Inventor Miri Seiberg  
Group Art Unit 1654  
Examiner Name  
Attorney Docket Number JBP0430CIP1

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>				
/SG/		FR	2 803 747	A1	Laboratoires Pharmascience	07-20-2001		Yes
		FR	2 811 226	A1	Clarins Laboratoires	01-11-2002		Yes
		JP	1096106	A	Shiseido Company, Ltd	04-14-1989		Yes
		JP	3127713	A	Sansho Pharmaceutical et al.	05-30-1991		Yes
		JP	4169514	A	Shiseido Company, Ltd	06-17-1992		Yes
		JP	5015574	A	Japan Atom Energy Res Inst, et al.	01-26-1993		Yes
		JP	5114905	A	Digital Equipment Corp.	05-07-1993	=EP 0 508 886	No
		JP	5213729	A	Kao Corporation	08-24-1993		Yes
		JP	5246932	A	KK Japan Hypo	02-24-1993		Yes
		JP	5320024	A	Dowa Mining Co. Ltd.	12-03-1993		Yes
		JP	5320061	A	Soken Company, Ltd.	12-03-1993		Yes
		JP	6145061	A	Fuji Seiyu KK	05-24-1994	English Abstract	No
		JP	6192085	A	Inada Y	07-12-1994	English Abstract	No
		JP	7010772	A	Fuji Seiyu KK	01-13-1995	English Abstract	No
		JP	7196527	A	Morinaga Milk Ind. Co. Ltd.	08-01-1995	English Abstract	No
		JP	7196529	A	Morinaga Milk Ind. Co. Ltd.	08-01-1995	English Abstract	No
		JP	7304655	A	Kikkoman Corp.	11-21-1995		Yes
		JP	8012560	A	Shiseido Company, Ltd.	01-16-1996		Yes
		JP	8020597	A	Meiji Pharmaceutical Company, Ltd.	01-23-1996		Yes
		JP	8040824	A	Nonogawa Shoji:KK	02-13-1996	English Abstract	No
		JP	8059450	A	Kose Corporation	03-05-1996	English Abstract	No
		JP	8099891	A	Pola Chemical Industrial Company, Ltd.	04-16-1996		Yes
		JP	8143442	A	Kikkoman Corp.	06-04-1996	English Abstract	No
		JP	8333260	A	Kaminomoto Honpo:KK	12-17-1996	English Abstract	No
		JP	9025212	A	Shiseido Co. Ltd.	01-28-1997		Yes
		JP	9025214	A	Shiseido Co. Ltd.	01-28-1997		Yes
/SG/		JP	9059166	A	Kikkoman Corp.	03-04-1997	English Abstract	No

Examiner Signature /Shirley Gembeh/

Date Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 12 of 23

Application Number 10/659,598  
Filing Date 09/10/2003  
First Named Inventor Mini Seiberg  
Group Art Unit 1654  
Examiner Name  
Attorney Docket Number JBP0430CIP1

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>				
/SG/		JP	9077638	A	Art Beauty Clinic KK	03-25-1997	English Abstract	No
		JP	9176033	A	Pigeon Corp.	07-08-1997	English Abstract	No
		JP	11346695	A	National Food Res. Inst. Ryookoku Shoji KK	12-21-1999		Yes
		JP	58225003	A	Ichimaru Fuarukosu KK	12-27-1983		Yes
		JP	58225004	A	Ichimaru Fuarukosu KK	12-27-1983	English Abstract	No
		JP	59187756	A	Erika KK	10-24-1984	English Abstract	No
		JP	62036304	A	Kashiwa Chemical Industries	02-17-1987		Yes
		JP	63068512	A	Awase Kosufua Company Ltd., et al.	08-21-1988		Yes
		JP	63096120	A	Matsuura Pharmaceutical Company	04-27-1988		Yes
		JP	63227515	A	New Japan Chemical Engineering KK	09-21-1988		Yes
		JP	63316711	A	Nonogawa Shoji Company, Ltd.	12-26-1988		Yes
		JP	2000302678	A	Crescendo Corp.	10-31-2000	English Abstract	No
		KR	92-8851	B1	Park	10-01-1992		Yes
		KR	92-8853	B	Song	10-10-1992	English Abstract	No
		RU	2066992	C1	Ostroumova Nadezhda Mikhailovna	09-27-1996		Yes
		WO	87/07838	A1	Societe Bio Serax Sarl	12-30-1987	=US 4,978,528	No
		WO	91/04283	A1	Chang et al.	04-04-1991		
		WO	91/07166	A1	Washington State University	05-30-1991		
		WO	92/09639	A2	Bausch & Lomb Incorporated	06-11-1992		
		WO	92/09650	A1	Bausch & Lomb Incorporated	06-11-1992		
		WO	94/06485	A1	Ciba-Geigy AG	03-31-1994		
		WO	95/04609	A1	Ciba-Geigy AG	02-16-1995		
		WO	95/09002	A1	University of Pennsylvania	04-06-1995		
		WO	95/09011	A1	University of Pennsylvania	04-06-1995		
		WO	95/24885	A1	Handelman	09-21-1995		
		WO	96/09806	A2	Handelman	04-04-1996		
/SG/		WO	96/19483	A1	Biochem Pharma Inc.	06-27-1996		

Examiner  
Signature

/Shirley Gembah/

Date  
Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 13 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>				
/SG/		WO	96/19491	A1	Biochem Pharma Inc.	06-27-1996		
		WO	96/24371	A1	Phairson Medical Inc.	08-15-1996		
		WO	96/24392	A1	Fidia Advanced Biopolymers	08-15-1996		
		WO	96/30035	A1	Molecumetrics Ltd.	12-19-1996		
		WO	96/30035	A1	Molecumetrics Ltd.	12-19-1996		
		WO	96/31194	A2	J&J Consumer Products Inc.	12-10-1996	JBP0319	
		WO	96/37497	A1	Biochem Pharma Inc.	11-28-1996		
		WO	96/40121	A1	Taisho Pharmaceutical Co. Ltd.	12-19-1996		Yes
		WO	96/40199	A1	University of Pennsylvania	12-19-1996		
		WO	97/11033	A2	Nord-Beton GMBH	03-27-1997	English Abstract	No
		WO	97/18904	A1	Massachusetts Institute of Technology	05-29-1997		
		WO	97/35998	A1	Trustees of Boston University	10-02-1997		
		WO	97/39733	A1	The Procter & Gamble Company	10-30-1997		
		WO	98/01107	A1	Industria E Comercio de Cosmeticos Natura	01-15-1998		
		WO	98/02134	A1	J&J Consumer Products Inc.	01-22-1998	J&J1616	
		WO	98/02138	A1	Industria E Comercio de Cosmeticos Natura	01-22-1998		
		WO	98/05333	A1	Molecumetrics Ltd.	02-12-1998		
		WO	98/08503	A1	Novogen Research Pty. Ltd.	03-05-1998		
		WO	98/09987	A1	Biochem Pharma, Inc.	03-12-1998		
		WO	98/17246	A1	ROC	04-30-1998		
		WO	98/33089	A1	Menicon Co., Ltd.	04-30-1998	=US 6,018,001	No
		WO	98/40199	A1	Novogen Inc.	11-05-1998		
		WO	99/04752	A2	J&J Consumer Products Inc.	02-04-1999	JBP0430	
		WO	99/09065	A1	Eberhard-Karls-Univ.	02-25-1999		Yes
		WO	99/15917	A1	Novartis AG	04-01-1999		
		WO	99/24003	A1	The Procter & Gamble Company	05-20-1999		
/SG/		WO	99/30729	A1	J&J Consumer Products Inc.	06-24-1999	JBP0438	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)  
Sheet 14 of 23

Application Number 10/659,598  
Filing Date 09/10/2003  
First Named Inventor Miri Seiberg  
Group Art Unit 1654  
Examiner Name  
Attorney Docket Number JBP0430CIP1

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>				
/SG/		WO	99/36050	A1	Novogen Research Pty. Ltd.	07-22-1999		
		WO	99/57178	A1	Bausch & Lomb Incorporated	11-11-1999		
		WO	00/15188	A1	Sederna	03-23-2000		Yes
		WO	00/43049	A1	Pharmacia & Upjohn Company	07-27-2000		
		WO	00/51554	A2	Johns Hopkins University	09-08-2000		
		WO	00/62740	A2	The Procter & Gamble Company	10-26-2000		
		WO	00/62741	A2	The Procter & Gamble Company	10-26-2000		
		WO	00/62743	A2	The Procter & Gamble Company	10-26-2000		
		WO	00/62749	A2	The Procter & Gamble Company	10-26-2000		
		WO	00/62745	A2	The Procter & Gamble Company	10-26-2000		
		WO	00/69404	A1	The Procter & Gamble Company	11-23-2000		
		WO	00/69406	A1	The Procter & Gamble Company	11-23-2000		
		WO	00/69404	A1	The Procter & Gamble Company	11-23-2000		
		WO	00/69408	A1	The Procter & Gamble Company	11-23-2000		
		WO	01/34099	A1	J&J Consumer Products Inc.	05-17-2001	JBP0518	
		WO	01/35920	A1	Hindustan Lever Limited	05-25-2001		
/SG/		WO	02/07697	A1	Cognis France S.A.	01-31-2002	=US 2004/009142	Yes

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/SG/		"A Combined Soybean Crushing-Deodorizing System that Yields 100-200 Mesh Powder for Food Additive Use has been Developed by SHINYU ZOKI CO. LTD. And MITSUBISHI RAYON ENGINEERING LTD.", <i>Tech Times</i> , pp 10 (1978).	
/SG/		"Avon's Anew Positivity Trio Targets Menopausal Women", <i>The Rose Sheet</i> , February 28, 2000, page 8	
/SG/		"CaspACE™ Assay System, Colorimetric", Product Improvements, Neural Notes Volume V, Issue 1, p 13 (1999) PROMEGA CORPORATION.	
/SG/		"Elhibin®" Product Brochure, PENTAPHARM, Centerchem, Inc., Stamford, CT, publicly available prior to February 28, 2001.	

Examiner Signature	/Shirley Gembah/	Date Considered	8/19/11
-----------------------	------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)  
Sheet 15 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			T <sup>2</sup>
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
/SG/		"EnzChek® Protease Assay Kits" Product Information, MP06638, pp 1-4, Revised February 25, 2001, MOLECULAR PROBES, Eugene, OR.	
		"Flavosterone S (Soybean Extract Contained Iso-Flavone)", ICHIMARU PHARCOS CO., LTD, pp 11-13 (December 22, 1998).	
		"Isoral" Soybean power makes your skin clear and moist! - Brochure, publicly available prior to February 28, 2001.	
		"Lipoxydase Code 411784", Lipoxydase File April 1999, A Libiol Body Care Composition.	
		"Nudit Advertisement", publicly available prior to February 28, 2001.	
		"Patent Abstracts - Gastric Juice for Antiaging 1997".	
		"Patent Abstracts - Plant extracts for skin whitening", publicly available prior to February 28, 2001.	
		"Patent Abstracts - Soybeans for skin pigmentation 1997".	
		"Patent Abstracts - Soybeans for skin whitening 1997".	
		"Patent Abstracts of requested patent titles 1996".	
		"Patent List - Thrombin Inhibitors: List of Relevant Patent Applications as of July 8, 1998, and October 1, 1998."	
		"Plant Extract Containing Female Hormone-Like Isoflavones - Flavosterone", leaflet from ICHIMARU PHARCOS issued March 7, 1997	
		"Product for Damaged hair by Bristol-Myers-Squibb", (Abstract) publicly available prior to February 28, 2001.	
		"RQ1 RNase-Free DNASE", PROMEGA CORPORATION, Technical Bulletin No. 518, pp 1-4, February 2000, Part#TB518, Promega Corporation, 2800 Woods Hollow Rd., Madison, WI 53711-5399	
		"Soy Protein Prevents Skin Tumors From Developing in Mice", <i>Gene Therapy Weekly</i> , ISSN 1078-2842, pp 21 (November 8, 2001).	
		"Soy Therapy", www.wiseessentials.com/soytherapy.html (email from Jue-Chen Liu, Ph.D. to Cunero et al dated April 13, 2000) WISE ESSENTIALS.	
		"Soybean Technology Improves Skin", <i>Allured's Cosmetics &amp; Toiletries Magazine</i> , Vol. 115, No. 3, March 2000, p 22.	
		"The Joy of Soy", www.wheat-grass.com/851_oral_liquid.shtml, WHEATGRASS EXPRESS, INC., 1996.	
		"ThermoScript™ RNase H-Reverse Transcriptase", INVITROGEN™ LIFE TECHNOLOGIES, www.invitrogen.com/content.cfm, Invitrogen Corporation, 2001.	
/SG/		"Whitening with Soybean? HR has launched 'Future White' in Japan", Helena Rubinstein, publicly available prior to February 28, 2001.	

Examiner  
Signature

/Shirley Gembeh/

Date  
Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 16 of 23

Application Number 10/659,598  
Filing Date 09/10/2003  
First Named Inventor Mint Seiberg  
Group Art Unit 1654  
Examiner Name  
Attorney Docket Number JBP0430CIP1

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/SG/		AHRENS ET AL, "Photocarcinogenesis and Inhibition of Intercellular Adhesion Molecular I Expression in Cells of DNA-Repair-Defective Individuals", <i>Proc. National Academy of Sciences</i> , Vol. 94 (1997) pp 6837-6841.	
		BADASH ET AL, "Effect of Gamma Irradiation of Field and Storage Fungi of Wheat, Maize and Soybean", <i>Chemie Mikrobiologie Technologie der Lebensmittel</i> (1992).	
		BALSAM ET AL, <i>Cosmetics, Science and Technology</i> , 2nd Edition, Vol. 1, pp 32-43 (1972).	
		BALSAM ET AL, <i>Cosmetics, Science and Technology</i> , 2nd Edition, Vol. 1, pp 72-73 (1972).	
		BARBUCH ET AL, "The Use of Thermospray Liquid Chromatography/Tandem Mass Spectrometry for the Class Identification and Structural Verification of Phytoestrogens in Soy Protein Preparations", <i>Biomedical and Environmental Mass Spectrometry</i> , Vol. 18 (1989) pp 973-977.	
		BAREL ET AL, "Suction Method for Measurement of Skin Mechanical Properties: The Cutometer®", Chapter 14.3, pp 335-340, <i>Handbook of Non-Invasive Methods and the Skin</i> , Jorgen Serup and G.B.E. Jemec (1995).	
		BATISTA ET AL, "Primary Structure of a Kunitz-Type Trypsin Inhibitor From Enterolobium Contortisiliquum Seeds", <i>Phytochemistry</i> , Vol. 41, No. 4, (1996) pp 1017-1022.	
		BENSHIMOL, "The Biochemistry and Nutrition Group: 30 Years of Research in A Developing Country", <i>Archivos Latinoamericanos De Nutricion</i> , Vol. 44, No. 4-S, pp 6-S-9-S (1994).	
		BILLINGS ET AL, "A Growth-Regulated Protease Activity that is Inhibited by the Anticarcinogenic Bowman-Birk Protease Inhibitor", <i>Pro. Natl. Acad. Sci.</i> , Vol. 89, pp 3120-3124 (1992).	
		BIRK, "Protein Proteinase Inhibitors in Legume Seeds - Overview", <i>Archivos Latinoamericanos de Nutricion</i> , Vol. 44, No. 4-S (1994) pp 26-S-30-S.	
		BIRK, "The Bowman-Birk Inhibitor - Trypsin- and Chymotrypsin-Inhibitor from Soybeans", <i>Int. J. Peptide Protein Res.</i> , Vol. 25, pp 113-131 (1985).	
		BLACKHEART ET AL, "Ligand Cross-Reactivity Within the Protease-Activated Receptor Family", <i>The Journal of Biological Chemistry</i> , Vol. 271, No. 28, pp 16466-16471 (1996).	
		BONIFACINO ET AL, "Electrophoresis and Immunoblotting", Chapter 6, pp 6.0.1-6.6.1, <i>Current Protocols in Cell Biology</i> , copyright 2000 by John Wiley & Sons, Inc.	
		BRASS ET AL, "Protease-Activated G Protein Coupled Receptors On Human Platelets and Endothelial Cells", <i>F.K. Schattauer Verlagsgesellschaft mbH (Stuttgart)</i> , Vol. 78, No. 1, pp 234-241 (1997).	
		CHOMCZYNSKI ET AL, "Single-Step Method of RNA Isolation by Acid Guanidium Thiocyanate-Phenol-Chloroform Extraction", <i>Analytical Biochemistry</i> , Vol. 162, pp 156-159 (1987).	
		CLARK ET AL, "Trypsin Inhibitors Block Allergen-Induced Airway and Inflammatory Responses in Allergic Sheep", <i>American Journal of Respiratory and Critical Care Medicine</i> , Vol. 152, pp 2076-2083, 1995.	
/SG/		CONNOR ET AL, "Depletion of Cutaneous Glutathione By Ultraviolet Radiation", <i>Photochemistry and Photobiology</i> , Vol. 46, No. 2, pp 239-245 (1987).	

Examiner Signature

/Shirley Gembah/

Date Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 20 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 17 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			T <sup>2</sup>
Examiner's Initials*	Cite No. <sup>1</sup>	Name name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
/SG/		COSTANZO ET AL, "Potent Thrombin Inhibitors That Probe The S1 Subsite: Tripeptide Transition State Analogues Based On A Heterocycle Activated Carbonyl Group", <i>J. Med. Chem.</i> , Vol. 39, 1996, pp 3039-3043.	
		COUGLIN, "Protease Activated Receptors Start A Family", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91, 1994, pp 9200-9202.	
		COVELLI ET AL, "Diazepam Inhibits Phagocytosis and Killing Exerted By Polymorphonuclear Cells and Monocytes From Healthy Donors", Abstract, <i>Immunopharmacology and Immunotoxicology</i> , Vol. 11, No. 4 (1989) pp. 701-714, copyright © 1989 by Marcel Dekker, Inc.	
		DE SEIDL, "Interaction of Proteases with Legume Seed Inhibitors, Molecular Features", <i>Archivos Latinoamericanos de Nutricion</i> , Vol. 44, No. 4-S (1994) pp 21-S - 25-S.	
		DERIAN ET AL, "Differential Regulation of Human Keratinocyte Growth and Differentiation by a Novel Family of Protease-activated Receptors", <i>Cell Growth &amp; Differentiation</i> , Vol. 8, pp 743-749, July 1997.	
		DEWITT ET AL, "Astrocytes Regulate Microglial Phagocytosis Of Senile Plaque Cores Of Alzheimer's Disease", <i>Experimental Neurology</i> , Vol. 149, Article No. EN976738 (1998) pp 329-340.	
		DOOLITTLE, "Proteins", <i>Reading from Scientific American - The Molecules of Life</i> , Chapter 4, pp 38-47 (1985).	
		DORING, "The Role Of Neutrophil Elastase In Chronic Inflammation", <i>American Journal of Respiratory and Critical Care Medicine</i> , Vol. 150, 1994, pp S114 - S117.	
		DUNAEVSKY ET AL, "Two Groups of Protease Inhibitors Functionally Active in Buckwheat Seeds", <a href="http://soba.shinshu-u.ac.jp/contents/105.html">soba.shinshu-u.ac.jp/contents/105.html</a> , publicly available prior to February 28, 2001.	
		DUNAEVSKY ET AL, "Isolation and Properties of Anionic Protease Inhibitors from Buckwheat Seeds", <i>Biochemistry and Molecular Biology International</i> , Vol. 40, No.1, (September 1996) pp 199-208.	
		EBLING ET AL, "Hair", <i>Journal of Investigative Dermatology</i> , Vol. 67, No. 1, pp 98-105 (July 1978).	
		EBLING, "Hair Follicles and Associated Glands as Androgen Targets", <i>Clinics in Endocrinology and Metabolism</i> , Vol. 15, No. 2, pp 319-339 (May 1986).	
		FAGERHOLM ET AL, "The Effect of a Drug-delivery System Consisting of Soybean Phosphatidyl Choline and Medium-chain Monoacylglycerol on the Intestinal Permeability of Hexarelin in the Rat", <i>J. Pharm. Pharmacol.</i> (1998) Vol. 50, pp 467-473.	
		FIMIANI ET AL, "Mid-Dermal Elastolysis: An Ultrastructural and Biochemical Study", <i>Arch. Dermatol Res.</i> , Vol. 287, (1995) pp 152-157.	
		FOX ET AL, "Identification Of Potential Activators Of Proteinase-Activated Receptor-2", <i>Federation of European Biochemical Societies</i> , FEBS Letters 417 (1997) pp 267-269.	
		GALVEZ ET AL, "Chemopreventive Property of a Soybean Peptide (Lunasin) That Binds to Deacetylated Histones and Inhibits Acetylation", <i>Cancer Research</i> , Vol. 61, No. 20, pp 7473-7478 (October 15, 2001).	
		GRANT-THEULE, "Periodontal Disease, Diabetes, and Immune Response: A Review Of Current Concepts", <i>Periodontal Abstracts</i> , Vol. 44, No. 3, 1996, pp 69-77.	
/SG/		GREENBERGER, "Immunologic Aspects Of Lung Diseases And Cystic Fibrosis", <i>JAMA</i> , Vol. 278, No. 22 (1997) pp 1924-1930.	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
--------------------	------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 18 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Mini Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Y <sup>2</sup>
/SG/		GUO ET AL., "A Serine Protease From Suspension-Cultured Soybean Cells", <i>Phytochemistry</i> , Vol. 47, No. 4 (1998) pp 547-553.	
		HACHIMI ET AL., "Do Microglial Cells Phagocyte The B/A4-Amyloid Senile Plaque Core of Alzheimer Disease?", <i>C.R. Academy of Science, Paris, Sciences de la vie/Life sciences</i> , Vol. 317, 1994, pp. 445-451.	
		HACKER, "Common Disorders Of Pigmentation - When are more than cosmetic cover-ups required?", <i>Postgraduate Medicine</i> , Vol. 99, No. 6, 1996, pp 177-186.	
		HAFEZ ET AL., "Effects of Gamma Irradiation on Proteins and Fatty Acids of Soybean", <i>Journal of Food Science</i> , Vol. 50 (1985) pp 1271-1274.	
		HAMADA, "Evaluation of the Effects of Hair Re-growth Agents on Lengthening the Anagen Phase Period and Blockade of Anagen phase-Catagen phase Transformation", <i>J. Soc. Cosmet. Chem. Japan</i> , Vol. 31, No. 4 (1997) pp 413-419.	Yes
		HANADA ET AL., "Photoprotective Effect of Esterified Glutathione Against Ultraviolet B-Induced Sunburn Cell Formation in the Hairless Mice", <i>The Journal of Investigative Dermatology</i> , Vol. 108, No. 5, pp 727-730 (1997).	
		HASLER ET AL., "Nutrition Communique, Soy: Just a Hill of Beans?", <i>Journal of Women's Health</i> , Vol. 7, No. 5 (1998) pp 519-523.	
		HATTORI ET AL., "Effects of sup. 60 Co-gamma-rays on Defatted Soybean Powder", <i>Food Irradiation</i> , Vol. 3, No. 1, pp 104-110 (1968).	
		HAYASHI ET AL., "Inhibition of Serine Proteases of the Blood Coagulation System by Squash Family Protease Inhibitors", <i>J. Biochem.</i> , Vol. 116, No. 5, pp 1013-1018 (1994).	
		HENDRICH ET AL., "Defining Food Components as New Nutrients", <i>American Institute of Nutrition, Food Composition</i> (1994) pp 1789S-1792S.	
		HOFF ET AL., "Macrophage Uptake Of Cholesterol-Containing Particles Derived From LDL and Isolated From Atherosclerotic Lesions", <i>European Heart Journal</i> , Vol. 11, Supplement E, 1990, pp 105-115.	
		HOLLENBERG ET AL., "Proteinase-Activated Receptor-2 in Rat Aorta: Structural Requirements for Agonist Activity of Receptor-Activating Peptides", <i>Molecular Pharmacology</i> , Vol. 49, pp 229-233 (1996).	
		ITAMI ET AL., "Mechanism of Action of Androgen in Hair Follicles", <i>Journal of Dermatological Science</i> , 7 Suppl., S98-S103 (July 1994).	
		JIMENEZ ET AL., "Mammalian Tyrosinase: Biosynthesis, Processing and Modulation By Melanocyte Stimulating Hormone", <i>Proc. Natl. Acad. Sci. USA</i> (1988), Vol. 85, pp 3830-3834.	
		JIMENEZ ET AL., "Specific Identification of an Authentic Clone for Mammalian Tyrosinase", <i>The Journal of Biological Chemistry</i> , (1989) Vol. 264, No. 6, pp 3397-3403.	
		JINGTIAN ET AL., "Studies of Soy Sauce Sterilization and its Special Flavour Improvement by Gamma-Ray Irradiation", <i>Radiation Physics and Chemistry</i> , Vol. 31, Nos 1-3, pp 209-213 (1988)	
		KEETON ET AL., "The Chemistry of Life", <i>Biological Science</i> , Fourth Edition, Chapter 3, pp 66-67 (1986)	
/SG/		KENNEDY ET AL., "Prevention of Carcinogenesis by Protease Inhibitors", <i>Cancer Research</i> , Vol. 54, No. 7 (Suppl), pp 1999S-2005S (April 1, 1994).	

Examiner  
Signature

/Shirley Gembeh/

Date  
Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Unique citation designation number. ‡ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22315-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 19 of 23

Application Number 10/659,598  
Filing Date 09/10/2003  
First Named Inventor Min Seiberg  
Group Art Unit 1654  
Examiner Name  
Attorney Docket Number JBP0430CIP1

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
/SG/		KENNEDY, "The Evidence for Soybean Products as Cancer Preventive Agents", <i>The Journal of Nutrition</i> , Vol. 125, No. 3 Suppl, pp 733s-743s (March 1995).	
		KENNEDY, "Chemopreventive Agents: Protease Inhibitors", <i>Pharmacol. Ther.</i> , Vol. 78, No. 3, pp 167-209, 1998, Copyright 1998 Elsevier Science Inc.	
		KENNEDY, "The Bowman Birk Inhibitor from Soybeans As An Anticarcinogenic Agent", <i>American Journal of Clinical Nutrition</i> , Vol. 68(suppl), pp 1406S-1412S (1998).	
		KOVACS ET AL, "Effect of Irradiation and Dielectric Heating on Soybean Ultrastructure, Trypsin Inhibitor, and Lipoygenase Activities", <i>Food Structure</i> , Vol. 10, pp 217-227 (1991)	
		LAM ET AL, "Combined Effect of Irradiation and Dielectric Heating on Chemical Properties of Soybeans", <i>7th Symp. On Radiation Chemistry</i> , pp 477-483 (1990)	
		LIMITRAKUL ET AL, "Suppressive Effect of Soybean Milk Protein on Experimentally Induced Skin Tumor in Mice", <i>Life Sciences</i> , Vol. 53 (1993) pp 1591-1596.	
		LIU ET AL, "Aqueous Ethanol Extraction of Soybean Trypsin Inhibitors and Characterization of a Calcium-Sensitive Fraction", <i>Journal of Food Biochemistry</i> , Vol. 15 (1991) pp 159-168.	
		LIU, "Chemistry And Nutritional Value Of Soybean Components", in <i>Soybeans, Chemistry, Technology and Utilization</i> , pp. 32-35 (copyright © 1997 by Chapman & Hall).	
		MACFARLANE ET AL, "Refractory Periodontitis Associated With Abnormal Polymorphonuclear Leukocyte Phagocytosis and Cigarette Smoking", <i>J. Periodontol</i> , Vol. 63, No. 11, November 1992, pp 908-913.	
		MAES ET AL, "Leukocytosis, Monocytosis and Neutrophilia: Hallmarks Of Severe Depression", <i>J. Psychiat. Res.</i> , Vol. 26, No. 2 (1992) pp 125-134.	
		MAHONEY ET AL, "Amino Acid Sequence and Secondary Structural Analysis of the Corn Inhibitor of Trypsin and Activated Hageman Factor", <i>Journal of Biological Chemistry</i> , Vol 259, No. 13 (July 10, 1984) pp 8412-8416.	
		MCADAMS ET AL, "Neutrophil and Monocyte Phagocytosis In Depressed Patients", <i>Prog. Neuro-Psychopharmacol &amp; Biol. Psychiat</i> (1993) Vol. 17, pp 971-984.	
		McCutcheon's Emulsifiers and Detergents 1986, North American Edition, McCutcheon Division, Mc Publishing Co., Glen Rock, New Jersey, pp 317-324 (1986).	
		MEISTER, "Glutathione, Ascorbate, and Cellular Protection", <i>Cancer Research</i> , Vol. 54, pp 1969s-1975s (1994).	
		Merck Index (12th Edition), Edited by Susan Budavari (1996) Thrombin., entry 9525, p 1601.	
		Merck Index (12th Edition), Edited by Susan Budavari (1996) Trypsin, entry 9926, p 1669.	
		MERCOLA, "Concerns Regarding Soybeans", <a href="http://www.rheumatic.org/soy.htm">www.rheumatic.org/soy.htm</a> , publicly available prior to February 28, 2001.	
		MESSINA, "Soy Intake and Cancer Risk: A Review of the In Vitro and In Vivo Data", <i>Nutrician and Cancer</i> , Vol. 21, No. 2 (1994) pp 113-131.	
/SG/		MEZEI ET AL, "Liposomes-A Selective Drug Delivery System for the Topical Route of Administration: Gel Dosage Form", <i>Journal of Pharmaceutics and Pharmacology</i> , Vol. 34 (1982), pp 473-474.	

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
--------------------	------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 20 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Mint Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T‡
/SG/		MEZEL, "Liposomes as a Skin Drug Delivery System", <i>Topics in Pharmaceutical Sciences</i> (D. D. Breimer and P. Speiser, eds.), Elsevier Science Publishers B. V., New York, N.Y., 1985, pp 345-358.	
		MIYAGI ET AL, "Trypsin Inhibitor Activity in Commercial Soybean Products in Japan", <i>J. Nutr. Sci. Vitaminol</i> (1997) Vol. 43, pp 575-580.	
		MOLINARI ET AL, "Inhaled Trypsin Causes Bronchoconstriction in Sheep Via Histamine Release", <i>American Journal of Respiratory and Critical Care Medicine</i> , Vol. 154, pp 649-653, 1996.	
		MOLINO ET AL, "Interactions of Mast Cell Trypsin with Thrombin Receptors and PAR-2", <i>Journal of Biological Chemistry</i> , Vol. 272, No. 7, 14 Feb 1997, pp 4043-4049.	
		MORITA ET AL, "Partial Purification and Characterization of a Novel Soybean Protease Which is Inhibited by Kunitz and Bowman-Birk Trypsin Inhibitors", <i>J. Biochem.</i> , Vol. 119, No. 4, 1996, pp 711-718.	
		MULIMANI ET AL, "Effect of Heat Treatments on Trypsin/Chymotrypsin Inhibitor Activity of Red Gram (Cajanus Cajan L.)", <i>Plant Foods for Human Nutrition</i> , Vol. 46, No. 2, (1994) pp 103-107.	
		MULIMANI ET AL, "Effects Of Heat Treatment and Germination On Trypsin and Chymotrypsin Inhibitory Activities In Sorghum (Sorghum Bicolor (L.) Moench) Seeds", <i>Plant Foods for Human Nutrition</i> , Vol. 44, No. 3 (1993) pp 221-226.	
		MURPHY, "Phytoestrogen Content of Processed Soybean Products", <i>Food Technology</i> , Vol. 1, pp 60-64 (1982).	
		MUSCLOW ET AL., "Fluorescence Assay To Monitor Phagocytosis By Blood-Clot Derived Polymorphonuclear Leucocytes, 1 Study Of Patients With Diabetes And Phagocytosis Of Different Staphylococcal Species", <i>Cytobios</i> , Vol. 65, 1991, pp 15-24 (published and (C) 1991 by the Faculty Press, Cambridge, Great Britain).	
		MYSLIBORSKI ET AL, "Therapy for Acne Vulgaris", <i>Comprehensive Therapy</i> , Vol. 7, No. 1, pp 13-16 (January 1981).	
		NIEMIEC ET AL., "Influence of Nonionic Liposomal Composition on Topical Delivery of Peptide Drugs into Pilosebaceous Units: An in Vivo Study Using the Hamster Ear Model", <i>Pharmaceutical Research</i> , Vol. 12, No. 8, 1995, pp 1184-1188.	
		ODANI ET AL, "Studies on Soybean Trypsin Inhibitors. XIII. Preparation and Characterization of Active Fragments from Bowman-Birk Proteinase Inhibitor", <i>Journal Biochem.</i> , Vol. 83, No. 3, pp 747-753 (1978).	
		ODANI ET AL., "Wheat Germ Trypsin Inhibitors. Isolation and Structural Characterization of Single-Headed and Double-Headed Inhibitors of the Bowman-Birk Type", <i>J. Biochem.</i> , Vol. 100, pp 978-983 (1986).	
		ORLOW ET AL, "Subcellular Distribution Of Tyrosinase and Tyrosinase-Related Protein-1: Implications For Melanosomal Biogenesis", <i>The Journal of Investigative Dermatology, Inc.</i> , Vol. 100, No. 1, January 1993, pp 55-64.	
		QUILLIEN ET AL, "Trypsin Inhibitor Polymorphism: Multigene Family Expression and Posttranslational Modification", <i>Journal of Protein Chemistry</i> , Vol. 16, No. 3 (1997) pp 195-203.	
/SG/		REINER, "Altered Cell Signaling and Mononuclear Phagocyte Deactivation During Interacellular Infection", <i>Immunology Today</i> , Vol. 15, No. 8 (1994) pp 374-381.	

Examiner  
Signature

/Shirley Gembeh/

Date  
Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not referenced. Include copy of this form with next communication to applicant.

† Unique citation designation number. ‡ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 21 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			T <sup>2</sup>
Examiner's Initials <sup>1</sup>	Cite No. <sup>2</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
/SG/		RIPKA ET AL, "Chapter 8: Antithrombotics/Serine Protease", Covads International, San Diego, CA, publicly available prior to February 28, 2001.	
		ROBERT ET AL, "Cell-Matrix Interactions In The Genesis Of Arteriosclerosis and Ateroma, Effect of Aging", <i>Laboratoire de Biologie du Tissu Conjonctif</i> , Annals New York Academy of Sciences, 1992, pp 331-341.	
		SANTULLI ET AL, "Evidence for the Presence of a Protease-Activated Receptor Distinct from the Thrombin Receptor in Human Keratinocytes", <i>Proceeding of the National Academy of Sciences USA</i> , Vol. 92, Sept 1995, pp 9151-9155.	
		SEIBERG ET AL, "Trypsin-Induced Follicular Papilla Apoptosis Results in Delayed Hair Growth and Pigmentation", <i>Developmental Dynamics</i> , Vol. 208, pp 553-564 (1997).	
		SESSA ET AL, "Toasted Soybean Flour Components with Trypsin Inhibitor Activity", <i>JAOCs</i> , Vol. 63, No. 6, pp 784-788 (June 1986)	
		SETCHELL, "High-Performance Liquid Chromatographic Analysis of Phytoestrogens in Soy Protein Preparations with Ultraviolet Electrochemical and Thermospray Mass Spectrometric Detection", <i>Journal of Chromatography</i> , Vol. 386 (1987) pp 315-323, CHROMSYMP. 956.	
		SHARPELL ET AL, "Preservation of Cosmetics", Chapter 51, pp 887-900, Disinfection, Sterilization and Preservation, 4th Edition, Seymour S. Block, Ph. D., Lea & Febiger (1991) publicly available prior to February 28, 2001.	
		SLIGH JR. ET AL, "Inflammatory and Immune Responses are Impaired in Mice Deficient in Interleukin Adhesion Molecule 1", <i>Proc. Natl. Acad., Sci. USA</i> , Vol. 90, 1993, pp 8529-8533.	
		SONG ET AL, "PS04.01 44 Crystal Structure of the Complex of Porcine Pancreatic Trypsin with Kunitz-Type Soybean Trypsin Inhibitor", <i>Crystallography of Biological Macromolecules</i> , p. C-106, XVII Congress and General Assembly of the International Union of Crystallog., (1996) ( <a href="http://www.bmse.wahing...ts/abstracts/S00C1.html">www.bmse.wahing...ts/abstracts/S00C1.html</a> )	
		SONG ET AL, "Kunitz-Type Soybean Trypsin Inhibitor Revisited: Refined Structure of its Complex with Porcine Trypsin Reveals an Insight into the Interaction Between a Homologous Inhibitor from Erythrina Caffra and Tissue-type Plasminogen Activator", <i>J. Mol. Biol.</i> , Vol. 275, pp 347-363 (1998).	
		STEENVOORDEN ET AL, "Protection Against UV-Induced Reactive Intermediate in Human Cells and Mouse Skin by Glutathione Precursors: A Comparison of N-Acetylcysteine and Glutathione Ethylester", <i>Photochemistry and Photobiology</i> , Vol. 67, No. 6, pp 851-856 (1998).	
		STEENVOORDEN ET AL, "The Use of Endogenous Antioxidants to Improve Photoprotection", <i>Journal of Photochemistry and Photobiology B: Biology</i> , Vol. 41 (1997) pp 1-10.	
		STENN ET AL, "Glucocorticoid Effect on Hair Growth Initiation: A Reconsideration," <i>Skin Pharmacol.</i> Vol. 6, pp 125-134 (1993).	
		TAN-WILSON, "Relevance of Multiple Soybean Trypsin Inhibitor Forms to Nutritional Quality", <i>Nutritional and Toxicological Significance of Enzyme Inhibitors in Foods</i> , Edited by Mendel Friedman, Chapter 22, pp 391-411 (1985), Department of Biological Sciences, State University of New York at Binghamton.	
		TASHIRO ET AL., "The Complete Amino Acid Sequence of Rice Bran Trypsin Inhibitor", <i>J. Biochem.</i> , Vol. 102, No. 2, pp 297-306 (1987).	
/SG/		TERADA ET AL, "Amino Acid Sequences of Double-headed Proteinase Inhibitors from the Seeds of Canavalia Lineata", <i>Biosci. Biotech. Biochem.</i> , Vol. 58, No. 2, pp 376-379 (1994).	

Examiner Signature

/Shirley Gembeh/

Date Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)  
Sheet 22 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			T <sup>2</sup>
Examiner's Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
/SG/		RIPKA ET AL., "Chapter 8: Antithrombotics/Serine Protease", Covads International, San Diego, CA, publicly available prior to February 28, 2001.	
		ROBERT ET AL., "Cell-Matrix Interactions In The Genesis Of Arteriosclerosis and Alateroma, Effect of Aging", <i>Laboratoire de Biologie du Tissu Conjonctif</i> , Annals New York Academy of Sciences, 1992, pp 331-341.	
		SANTULLI ET AL., "Evidence for the Presence of a Protease-Activated Receptor Distinct from the Thrombin Receptor in Human Keratinocytes", <i>Proceeding of the National Academy of Sciences USA</i> , Vol. 92, Sept 1995, pp 9151-9155.	
		SEIBERG ET AL., "Trypsin-Induced Follicular Papilla Apoptosis Results in Delayed Hair Growth and Pigmentation", <i>Developmental Dynamics</i> , Vol. 208, pp 553-564 (1997).	
		SESSA ET AL., "Toasted Soybean Flour Components with Trypsin Inhibitor Activity", <i>JAOCs</i> , Vol. 63, No. 6, pp 784-788 (June 1986)	
		SETCHELL, "High-Performance Liquid Chromatographic Analysis of Phytoestrogens in Soy Protein Preparations with Ultraviolet Electrochemical and Thermospray Mass Spectrometric Detection", <i>Journal of Chromatography</i> , Vol. 386 (1987) pp 315-323, CHROMSYMP. 956.	
		SHARPELL ET AL., "Preservation of Cosmetics", Chapter 51, pp 887-900, Disinfection, Sterilization and Preservation, 4th Edition, Seymour S. Block, Ph. D., Lea & Febiger (1991) publicly available prior to February 28, 2001.	
		SLUGH JR. ET AL., "Inflammatory and Immune Responses are Impaired in Mice Deficient in Interleukin Adhesion Molecule 1", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 90, 1993, pp 8529-8533.	
		SONG ET AL., "PS04.01.44 Crystal Structure of the Complex of Porcine Pancreatic Trypsin with Kunitz-Type Soybean Trypsin Inhibitor", <i>Crystallography of Biological Macromolecules</i> , p. C-106, XVII Congress and General Assembly of the International Union of Crystallog., (1996) ( <a href="http://www.bmse.wahing...ts/abstracts/S0061.html">www.bmse.wahing...ts/abstracts/S0061.html</a> )	
		SONG ET AL., "Kunitz-Type Soybean Trypsin Inhibitor Revisited: Refined Structure of its Complex with Porcine Trypsin Reveals an Insight into the Interaction Between a Homologous Inhibitor from Erythrina Caffra and Tissue-type Plasminogen Activator", <i>J. Mol. Biol.</i> , Vol. 275, pp 347-363 (1998).	
		STEENVOORDEN ET AL., "Protection Against UV-Induced Reactive Intermediate in Human Cells and Mouse Skin by Glutathione Precursors: A Comparison of N-Acetylcysteine and Glutathione Ethylester", <i>Photochemistry and Photobiology</i> , Vol. 67, No. 6, pp 651-656 (1998).	
		STEENVOORDEN ET AL., "The Use of Endogenous Antioxidants to Improve Photoprotection", <i>Journal of Photochemistry and Photobiology B: Biology</i> , Vol. 41 (1997) pp 1-10.	
		STENN ET AL., "Glucocorticoid Effect on Hair Growth Initiation: A Reconsideration," <i>Skin Pharmacol.</i> , Vol. 6, pp 125-134 (1993).	
		TAN-WILSON, "Relevance of Multiple Soybean Trypsin Inhibitor Forms to Nutritional Quality", <i>Nutritional and Toxicological Significance of Enzyme Inhibitors in Foods</i> , Edited by Mendel Friedman, Chapter 22, pp 391-411 (1985), Department of Biological Sciences, State University of New York at Binghamton.	
		TASHIRO ET AL., "The Complete Amino Acid Sequence of Rice Bran Trypsin Inhibitor", <i>J. Biochem.</i> , Vol. 102, No. 2, pp 297-306 (1987).	
/SG/		TERADA ET AL., "Amino Acid Sequences of Double-headed Proteinase Inhibitors from the Seeds of Canavalia Lineata", <i>Biosci. Biotech. Biochem.</i> , Vol. 58, No. 2, pp 376-379 (1994).	

Examiner Signature /Shirley Gembah/

Date Considered 8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 23 of 23

Application Number	10/659,598
Filing Date	09/10/2003
First Named Inventor	Min Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/SG/		THORNTON ET AL, "Effect of Androgens on the Growth of Cultured Human Dermal Papilla Cells Derived from Beard and Scalp Hair Follicles", <i>The Journal of Investigative Dermatology</i> , Vol. 97, No. 2, pp 345-348 (August 1991).	
		TRAVIS ET AL, "The Role Of Proteolytic Enzymes In The Development Of Pulmonary Emphysema And Periodontal Disease", <i>American Journal of Respiratory and Critical Care Medicine</i> , Vol. 150, 1994, pp S143-S146.	
		TRONNIER ET AL., "Adhesion Molecule Expression In Normal Skin and Melanocytic Lesions", <i>Journal of Cutaneous Pathology</i> , Vol. 24, 1997, pp 278-285.	
		TYRRELL ET AL., "Correlation Between Endogenous Glutathione Content and Sensitivity of Cultured Human Skin Cells to Radiation at Defined Wavelengths in the Solar Ultraviolet Range", <i>Photochemistry and Photobiology</i> , Vol. 47, No. 3, pp 405-412 (1988).	
		VAN DE STOLPE ET AL, "Intercellular Adhesion Molecule-1", <i>J. Mol. Med.</i> , Vol. 74, 1996, pp 13-33.	
		VAN DEN BROEKE ET AL, "Topically Applied N-acetylcysteine as a Protector Against UVB-Induced Systemic Immunosuppression", <i>Journal of Photochemistry and Photobiology, B: Biology</i> , Vol. 27, pp 61-65 (1995).	
		WANG ET AL, "Effects of Soybean Trypsin Inhibitor on Digestive Physiology and Growth and Development of Helicoverpa Armigera Larvae", <i>Acta Entomologica Sinica</i> , Vol. 38, No. 3 (August 1995) pp 272-274.	Yes
		WEBSTER, "Inflammation In Acne Vulgaris", <i>Journal of the American Academy of Dermatology</i> , Vol. 33, No. 2, Part 1, 1995, pp 247-253.	
		WILEY ET AL, "Cardiovascular and Renal - Small-molecule direct thrombin inhibitors", Exp. Opin. Ther. Patents, Vol. 7, No. 11, 1997, pp 1265-1282 (Ashley Publications Ltd. ISSN 1354-3776).	
		XIANG ET AL, "A Study of Nexin 1 of Skin and Hair Follicle during Postnatal Development Period of Rat", <i>Zhongguo Yi Xue Ke Xue Yaun Xue Bao</i> , Vol. 20, No. 2, pp 127-132 (April 1998) ABSTRACT	
/SG/		YU ET AL, "Message of Nexin 1, a Serine Protease Inhibitor, is Accumulated in the Follicular Papilla During Anagen of the Hair Cycle", <i>Journal of Cell Science</i> , Vol. 108, Pt 12 (December 1995) pp 3867-3874 ABSTRACT	

Examiner  
Signature

/Shirley Gembah/

Date  
Considered

8/19/11

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Unique citation designation number. ‡ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



# SUBMISSION UNDER MPEP 609 D

Page 1 of 1

Application Number	10/656,598
Filing Date	09/10/2003
First Named Inventor	Miri Seiberg
Group Art Unit	1654
Examiner Name	
Attorney Docket Number	JBP0430CIP1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Name of Patentee or Applicant of Cited Document	U.S. Patent Document		Atty Docket No.
			Number	Filing Date	
/SG/		Halas et al.	10/611,100	07-01-2003	J&J5041
		Seiberg et al.	09/361,429 / 2002/0065300A1	07-27-1999	JBP0465
		Seiberg et al.	09/206,249	12-07-1998	JBP0438
		Seiberg et al.	10/092,810 / 2002/0197244A1	03-07-2002	JBP0586DIV
		Liu et al.	09/677,511	09-29-2000	JBP0523CIP
		Seiberg et al.	09/621,565	07-20-2000	JBP0510
		Seiberg et al.	10/434,309	05-08-2003	JBP0510DIV
		Seiberg et al.	10/253,736 / 2003/0064048A1	09-23-2002	JBP0510CNT
		Seiberg et al.	09/698,454	10-27-2000	JBP0516
		Seiberg et al.	10/108,248 / 2003/0064049A1	03-27-2002	J&J1888CIP
		Seiberg et al.	10/689,149 / 2004/0062731A1	10-20-2003	J&J1886CIP1
		Liu et al.	10/370,680 / 2003/0224075A1	02-20-2003	JBP0585
		Miller et al.	6,555,143 / 2002/0160063A1	02-28-2001	J&J1998
		Liu et al.	09/796,054 / 2002/0160062A1	02-28-2001	J&J2001
		Saliou et al.	09/795,762 / 2002/0160061A1	02-28-2001	J&J2002
/SG/		Saliou et al.	10/082,905 / 2002/0192313A1	02-25-2002	J&J2091CIP

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Name of Patentee or Applicant of Cited Document	Foreign Patent Document			Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
			Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>		

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>

Examiner Signature	/Shirley Gembeh/	Date Considered	8/19/11
--------------------	------------------	-----------------	---------